



Your benefits with Sonnenschein@home

- > Reduces energy consumption through self-generated power
- > Excellent quality powered by Sonnenschein® gel batteries
- > Easy installation with a modular, expandable system
- > Reliability in case of grid outage



»Modular, highly efficient storage of photovoltaic energy«



Technical characteristics and data

Type	Part number	Nom. voltage	Nom. capacity* C ₁₀ 1.80 V _{pc} 20 °C Ahh	Nom. energy 20° C Wh	Length (l) max. mm	Width (b/w) max. mm	Height max. mm	Weight approx. kg	Short circuit current A	Internal resistance mOhm	Terminal
SH12V2.0	NGSH1202D0HS0MA	12	165	1980	568	128	320	58.4	2432	5.10	M-M8-45°

Sunny outlook for self-generated power

Take advantage of the natural power of the sun! More than ever before the world is focused on renewable energies and developing more responsible technologies. With Sonnenschein@home everybody can contribute to a better environment and save money. GNB® Industrial Power is the inventor of gel technology and offers with its Sonnenschein@home an excellent energy storage solution. The dryfit® gel battery provides ideal performance in a variety of applications. Be on the sunny side with Sonnenschein@home seven years warranty!

Sonnenschein@home battery

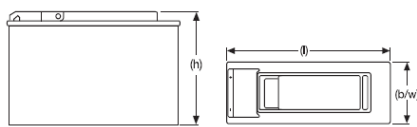
GNB® Sonnenschein@home are premium batteries for reliable storage of regenerative energy sources such as photovoltaic. They offer superior cycling performance (up to 3800 cycles at 50% depth of discharge operating in controlled partial state of charge) and extraordinary durability with the worldwide proven and successful dryfit® gel technology. This dryfit® gel battery is a valve regulated lead acid battery (VRLA) with electrolyte fixed in a gel.



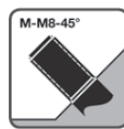
Specifications:

- > Outstanding cycling performance (up to 3800 cycles at 50% depth of discharge at 20 °C) in cPSOC*
- > Long shelf life up to 2 years at 20 °C without recharge due to very low self-discharge rate
- > Short recharge time
- > Grid plates made of highly corrosion-resistant alloy
- > No restrictions for rail, road, sea and air transportation of operational blocks (IATA, DGR, clause A67)
- > Very low gassing
- > Front terminal design for easy installation and maintenance
- > Insulated block connector and protected terminals
- > Lifting handles for easy transportation
- > Designed in accordance with IEC 60896-21/-22
- > dryfit® gel technology proven in many installations worldwide
- > Made in Germany, ISO 9001, 14001 and OHSAS 18001 certified

Drawing and terminal and torque



Not to scale!



up to 3800 cycles at 50% DoD



Nominal Capacity 165 Ah (C₁₀)



Block battery



Grid plate



Recyclable Valve regulated lead-acid batteries



VRLA



Maintenance free (no topping up)

